

## ABSTRACT

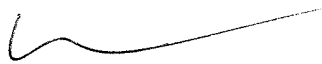
**Title** : Loss Reduction in Wire Rod Production

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**Degree** : Master of Engineering

**Major Field** : Engineering Management

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In the wire rod production, there are several production steps. The production cost in each step is rather high and if there exist product losses, the production cost will become even higher. The objective of this study is therefore to cut the production loss in the wire rod production.

The study process will consider the loss statistics, analyze for the cause of the loss within the production process, improve the production process to solve the production problems which will reduce the production loss.

From the study, the production loss at rod cutters and the scale rollers can be reduced by making the employee to understand more about the operation and cut down the risk rate of loss resulting in the cut down the production loss at Crop Shear #2 from 2.0 % to only 1.00 %. At the Finishing Mill Stand, the machine operation and the worker fatigue problems are solved resulting in a reduction of the production loss from 2.1.9 % to only 1.09 %.